

# **Iowa Department of Natural Resources Title V Operating Permit**

**Name of Permitted Facility: Firestone Agricultural Tire**  
**Facility Location: Second Ave. & Hoffman Road**  
**Air Quality Operating Permit Number: 05-TV-008**  
**Expiration Date: December 22, 2010**

**EIQ Number: 92-6246**  
**Facility File Number: 77-01-022**

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**Responsible Official**

**Name: Joe Ivy**  
**Title: Director of Manufacturing**  
**Mailing Address: P.O. Box 1295**  
**Des Moines, Iowa 50305**  
**Phone #: (515) 243-1211**

**Permit Contact Person for the Facility**

**Name: Dave Dirks**  
**Title: Plant Engineer**  
**Mailing Address: P.O. Box 1295**  
**Des Moines, Iowa 50305**  
**Phone #: (515) 242-1211 ext. 5283**

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

**For the Director of the Department of Natural Resources**

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Douglas A. Campbell, Supervisor of Air Operating Permits Section

Date

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## **Abbreviations**

acfm.....	actual cubic feet per minute
AQD.....	Polk County Public Health- Air Quality Division
CAS.....	Chemical Abstract Service Registry
CFR.....	Code of Federal Regulation
°F.....	degrees Fahrenheit
EIQ.....	Emissions Inventory Questionnaire
EP.....	Emission Point
EU.....	Emission Unit
gr/dscf .....	grains per dry standard cubic foot
gr/100 cf.....	grains per one hundred cubic feet
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
ISCST.....	Industrial Source Complex Short Term Dispersion Model
MACT.....	Maximum Achievable Control Technology
µg/m <sup>3</sup> .....	Micrograms per Cubic Meter
MM BTU/ Hr.....	Million British Thermal Units per Hour
MSDS.....	Material Safety Data Sheet(s)
MVAC.....	Motor Vehicle Air Conditioner
NESHAP.....	National Emission Standards for Hazardous Air Pollutants
NSPS.....	New Source Performance Standard
ppmv.....	parts per million by volume
psia.....	pounds per square inch absolute
lb/hr.....	pounds per hour
lb/MMBtu .....	pounds per Million British thermal units
scfm.....	standard cubic feet per minute
SIC.....	Standard Industrial Classification
TPY.....	Tons Per Year
USEPA.....	United States Environmental Protection Agency
VCU.....	Vapor Combustion Unit

## **Pollutants**

PM.....	Particulate Matter
PM <sub>10</sub> .....	Particulate Matter ten microns or less in diameter
SO <sub>2</sub> .....	Sulfur dioxide
NO <sub>x</sub> .....	Nitrogen Oxides
VOC(s).....	Volatile Organic Compound(s)
CO.....	Carbon Monoxide
HAP(s).....	Hazardous Air Pollutant(s)
THC.....	Total Hydrocarbons

## I. Facility Description and Equipment List

Facility Name: Firestone Agricultural Tire

Permit Number: 05-TV-008

Facility Description: Tire Manufacturing, SIC 3011

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### Equipment List

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<b>Emission Point Number</b>	<b>Associated Emission Unit (s) Number (s)</b>	<b>Associated Emission Unit Descriptions</b>
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#### **Raw Material Receiving, Unloading, and Storage**

82	82	Final Batch Hand Pigment Weigh Station
91	91	Master Batch Dry Powder Chemical Storage System
93	93	Master Batch Auto Pigment Weigh Station
94	94	Master Batch Hand Pigment Weigh Station
102	102	Carbon Black Distribution
103a	103a	Carbon Black Transfer Bin Vent
103b	103b	Carbon Black Tower Bin Vent
248	248	Mixer 621 Day Bin Dust Collector
249	249	Mixer 622 Day Bin Dust Collector
250	250	Carbon Black Tower Pressure Relief
273	273	Carbon Black Tower Bin Vents

#### **Rubber Mixing**

45	45	77 Banbury Dropgate
46	46	#71 Discharge and Cooling Conveyor
47	47	#72 Discharge and Cooling Conveyor
71	71	Pellet Airveyor F621 System

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72	72	Pellet Airveyor F622 System
90	90	622 Rubber Cooling Conveyor
92	92	621 Rubber Cooling Conveyor
95	95	622 Dewatering Conveyor
100	100	621 Dewatering Conveyor
105	105	71 & 72 Banbury Charging and Pellet Storage Bins
106	106	73 Banbury Charging and Pellet Storage Bins
107	107	Pellet Storage Bins
108	108	74 & 75 Banbury Charging and Pellet Storage Bins
109	109	Pellet Tower Slide Gates
110	110	77 Banbury Charging
112	112	73, 74 & 75 Banbury Dropgate
145	145	273 Banbury Charging
146	146	273 Banbury Dropgate
147	147	Remill Pellet Tumble Dryer
148	148	Remill Pellet Airveyor
169	169	621 & 622 Banbury Ram Exhaust
270	270	Remill Pellet Bins
272	272	622 Banbury Charging and Dropgate
274	274	621 Banbury Charging and Dropgate

## **Rubber Processing, Milling, Extrusion, Calendering**

35	35	#1 4-Roll Calender
36	36	#2 4-Roll Calender
37	37	3 + 2 Calender
40	40a	#4 Tuber Cementing Exhaust
40	40b	#4 Tuber Cementing Exhaust
40	40f	#4 Tuber Hand Paint
42	42a	#6 Tuber Cementing Exhaust

42	42f	#6 Tuber Hand Paint
64	64a	Cement Mixing Exhaust
64	64b	Cement Mixing Exhaust
64	64c	Cement Mixing Exhaust
151	151	Ozone Generator
156	156	Tuber #7 Cementing Operation
253	253	#4 & #6 Tuber Treadend Cementing
900	900	Fugitive Emissions – Milling of Rubber
901	901	Fugitive Emissions – Extruding of Rubber
902	902	Fugitive Emissions – Tire Building
903	903	Fugitive Emissions – Striping Ink

## **Tire Building, Curing, Final Inspection**

1	1	#3 Spray Booth
3	3	#2 Spray Booth
5	5	#1 Spray Booth
6	6	#4 Spray Booth
117	117	Passenger Green Tire Spray Booth
118	118	Passenger Green Tire Spray Booth
134	134	Repair Tire Buffer
153	153	#5 Spray Booth
165	165	Torit Bladder Buffer
244	244	Bladder Buffer
245	245	Tire Test Area Grinder
247	247	Vita-Cap Curing

170-243, 256-262	170	Curing Presses
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## **Power House**

86	86o	Babcock & Wilcox Dual Fuel #4 Boiler #6 Oil
86	86g	Babcock & Wilcox Dual Fuel #4 Boiler Natural Gas
87	87o	Erie City Model 96401 Dual Fuel #5 Boiler #6 Oil
87	87g	Erie City Model 96401 Dual Fuel #5 Boiler Natural Gas
89	89o	Babcock & Wilcox Dual Fuel #6 Boiler #6 Oil
89	89g	Babcock & Wilcox Dual Fuel #6 Boiler Natural Gas
113	113o	Babcock & Wilcox Dual Fuel #7 Boiler #6 Oil
113	113g	Babcock & Wilcox Dual Fuel #7 Boiler Natural Gas

## **Misc. & Other Emission Sources**

44	44	Rubbish Packer
149	149	Caterpillar Model SR-4 Standby Generator
159	159	Paint Shop Spray Booth #2
160	160	Underground Storage Tank #1
161	161	Underground Storage Tank #2
162	162	Underground Storage Tank #4
163	163	Underground Storage Tank #5
164	164	Underground Storage Tank #3
246	246	Welding Exhaust
251	251	Onan Model 55KB-4xR8/2189L Standby Generator
252	252	General Motors Model 6-71N-1063-7008 Fire Pump
269	269	500 kW Caterpillar Standby Generator
271	271	Central Vacuum System



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## Insignificant Equipment List

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Insignificant Emission Unit Number	Insignificant Emission Unit Description
I40	Parts Washing
I41	Oil/Water Separators
I43	Boiler Blowdown/Steam Releases
I45	LPG Storage Tanks
I46	Steam Cleaning Pressure Washers
I47	Sanitary Sewer Plumbing Vents
I48	Mold blaster
I49	Welding Equipment
I50	Cutting/Brazing Units
I51	Battery Charger Areas
I52	Steam Cleaning Stations
I53	Grounds Keeping Chemicals
I54	Structure/Equipment Paints
I55	Cooling Towers
I56	Office Printing/Copying Operations
I57	Cafeteria
I58	Janitorial Cleaners
I59	Firefighting Equipment
I60	Domestic Water Heaters
I61	Air Compressors
I62	Air Dryers
I63	55 Gallon or Less Tanks/Drums
I64	Floor Scrubbers
I65	Steam Condensate
I66	Portable Solid Waste Units
I67	Rubber Warm Up Rooms
I69	Portable Vacuums
I70	Knife, Shear Cutters
I71	Ambient Emissions Rubber Storage
I72	Routine Roof Maintenance
I73	Equipment Repair/Maintenance
I74	Water Treatment Chemicals
I75	Lab Fume Hood
I76	American Vacuum Company Model 10-S

## II. Plant-Wide Conditions

Facility Name: Firestone Agricultural Tire

Permit Number: 05-TV-008

Permit conditions are established in accord with 567 Iowa Administrative Code Rule 22.108

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### Permit Duration

The term of this permit is: Five (5) years

Commencing on: December 22, 2005

Ending on: December 22, 2010

Amendments, modifications and re-openings of the permit shall be obtained in accordance with 567 Iowa Administrative Code Rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

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### Plant-Wide Emission Limits

*The atmospheric emissions from the plant as a whole shall not exceed the following:*

Pollutant: HAPs

Emission Rate: 9.4 tons of any single HAP or 24.4 tons of any combination of HAPs per 12 month period, totalized and rolled monthly.

Authority for Requirement: Polk County Air Quality Construction Permit Number 1712 Modified.

Reporting and Recordkeeping: Reporting and recordkeeping requirements to document compliance with the plant-wide emission limits are listed in the appropriate Emission Point-Specific Conditions contained in this permit.

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### Emission Limits:

*Unless specified otherwise in the Emission Point Specific Conditions, the source is subject to the specified emission limit and supporting regulation:*

Opacity (visible emissions): Less than 20% opacity

Authority for Requirement: Polk County Board of Health Rules and Regulations:  
Chapter V, Article IV, Section 5-9

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Sulfur Dioxide (SO<sub>2</sub>): 500 ppm by volume

Authority for Requirement: 567 IAC 23.3(3)"e"

Polk County Board of Health Rules and Regulations:  
Chapter V, Article IX, Section 5-27

Particulate Matter: If the Polk County Health Officer determines that a process complying with the emission rates specified in Table 1 of Section 5-15 of Polk County Board of Health Rules and Regulations Chapter V is causing or will cause air pollution, the Polk County Health Officer will notify the source of such determination. Upon notification, the source shall not emit particulates in amounts greater than 0.10 grain per standard cubic foot of exhaust gas.

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

*Combustion for indirect heating:* Inside any metropolitan statistical area, the maximum allowable emission from each stack, irrespective of stack height, shall be 0.6 pounds of particulates per million Btu input.

Authority for Requirement: 567 IAC 23.3(2)"b"(2)

Polk County Board of Health Rules and Regulations,  
Chapter V, Article VI, Section 5-15(b)

Fugitive Dust: It shall be unlawful for any person handling, loading, unloading, reloading, storing, transferring, transporting, placing, depositing, throwing, discarding, or scattering any ashes, fly ash, cinders, slag or dust collected from any combination process, any dust, dirt, chaff, wastepaper, trash, rubbish, waste or refuse matter of any kind, or any other substance or material whatever, which is likely to be scattered by the wind, or is susceptible to being wind-borne, to do so without taking reasonable precautions or measures to prevent particulate matter from becoming airborne so as to minimize atmospheric pollution.

Authority for Requirement: Polk County Board of Health Rules and Regulations,  
Chapter V, Article IX, Section 5-24

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### **Compliance Plan**

*The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.*

Unless otherwise noted in Section III of this permit, Firestone Agricultural Tire Company is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements that become effective during the permit term, Firestone Agricultural Tire shall comply with such requirements in a timely manner.  
Authority for Requirement: 567 IAC 22.108(15)

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### III. Emission Point-Specific Conditions

Facility Name: Firestone Agricultural Tire  
Permit Number: 05-TV-008

<b>A. Raw Material Receiving, Unloading, and Storage</b>	Carbon black is unloaded mechanically or pneumatically from railcars into bins. The pigments and silica are unloaded from supersacks and transferred into bins. The particles that are emitted during unloading are collected in baghouses and returned to the bins or supersacks.
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**Emission Point ID Number: 82, 91, 93, 94, 102, 103a, 103b, 248, 249, 250, 273**

#### Associated Equipment

*Per Table Below*

EP	EU	CE	CE Description	Process Description	Raw Material	Rated Capacity
82	82	82	Mikropul Baghouse	Final Batch Hand Pigment Weigh Station	Pigments	0.45 tons/hour
91	91	91	Flex-Kleen Baghouse	Master Batch Dry Powder Chemical Storage System	Dry Powder Chemicals	1.8 tons/hour
93	93	93	Flex-Kleen Baghouse	Master Batch Auto Pigment Weigh Station	Dry Chemicals	1.8 tons/hour
94	94	94	Flex-Kleen Baghouse	Master Batch Hand Pigment Weigh Station	Dry Chemicals	1.1 tons/hour
102	102	102	Flex-Kleen Baghouse	Carbon Black Distribution	Carbon Black	20 tons/hour
103a	103a	103a	DynamicAir Dust Collector	Carbon Black Transfer Bin Vent	Carbon Black	60,000 lbs/hr
103b	103b	103b	Dynamic Air Dust Collector	Carbon Black Tower Bin Vent	Carbon Black	60,000 lbs/hr
248	248	248	Flex-Kleen Dust Collector	Mixer 621 Day Bin Vent	Carbon Black	23 tons/hr
249	249	249	Flex-Kleen Dust Collector	Mixer 622 Day Bin Vent	Carbon Black	23 tons/hr
250	250	250	Dynamic Air Dust Collector	Carbon Black Tower Pressure Relief	Carbon Black	40,000 tons/hr
273	273a-273m	273a-273m	13-Cartridge Filters	Carbon Black Tower Bin Vents	Carbon Black	60,000 lbs/hr

Equipment listed above is covered by Polk County Construction Permit Number 1710

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### Applicable Requirements

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20% opacity

Authority for Requirement: Polk County Construction Permit 1710

Pollutant: PM<sub>10</sub>/PM

<b>Emission Point</b>	<b>PM<sub>10</sub>/PM (limit for each emission point)</b>	<b>PM<sub>10</sub>/PM (combined limit)</b>
82, 91, 93, 94, 102, 103a, 103b, 250, 273	0.10 gr/dscf	22.04 lbs./hr, 96.58 TPY
248, 249	0.0155 gr/dscf	(combined limits for all emission points included in this table)

Authority for Requirement: Polk County Construction Permit 1710

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Control equipment parameters for emission points 248, 249, 250: A gauge shall be installed and maintained to measure pressure drop readings. To insure proper operation, pressure drop shall be maintained within manufacturer's recommended range of 1.0 to 6.0 inches of water column for EP248 and EP249; and 0.5 to 4.0 inches of water column for EP250. Readings shall be taken weekly and recorded in a log which is maintained on site and made available to representatives of Polk Count AQD.

Receiving of Carbon Black shall not exceed 60,000 lb/hr.

Work practice standards: Routine Maintenance and Inspection and replacement bags shall be kept on site.

Authority for Requirement: Polk County Construction Permit Number 1710

#### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

The facility shall check the opacity for each emission point listed above, weekly during a period when the emission point is operating. No visible emissions are expected from these emission points under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years.

Authority for Requirement – Polk County Construction Permit Number 1710

**Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐**

Required for Emission Units 82, 91, 93, 94, 102, 103a, 103b, 248, 249, 250, 273a-273m

Authority for Requirement: 567 IAC 22.108(3)"b"

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

<b>B. Rubber Mixing</b>	The raw materials are fed into the banbury mixers and processed into stock rubber. VOCs and particulates are emitted during the charging and mixing. The particulates are controlled via baghouses.
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**Emission Point ID Number: 45, 46, 47, 71, 72, 90, 92, 95, 100, 105, 106, 107, 108, 109, 110, 112, 145, 146, 147, 148, 169, 270, 272, 274**

Associated Equipment

*Per Table Below*

EP	EU	CE	CE Description	EU Description	Raw Material	Rated Capacity
45	45	CE45	Mikro-Pulsaire Baghouse	77 Banbury Dropgate	Rubber	10,000 lbs/hr
46	46	N/A	N/A	#71 Discharge and Cooling Conveyor	Rubber	5.0 tons/hr
47	47	N/A	N/A	#72 Discharge and Cooling Conveyor	Rubber	5.0 tons/hr
71	71	CE71	Fuller Baghouse	Pellet Airveyor F621 System	Rubber	10 tons/hr
72	72	CE72	Fuller Baghouse	Pellet Airveyor F622 System	Rubber	10 tons/hr
90	90	CE90	Settling Chamber	622 Rubber Cooling Conveyor	Rubber	9.0 tons/hr
92	92	CE92	Settling Chamber	621 Rubber Cooling Conveyor	Rubber	9.0 tons/hr
95	95	N/A	N/A	622 Dewatering Conveyor	Rubber Pellets	10 tons/hr
100	100	N/A	N/A	621 Dewatering Conveyor	Rubber Pellets	10 tons/hr
105	105	CE105	Mikro-Pulsaire Baghouse	71 & 72 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
106	106	CE106	Mikro-Pulsaire Baghouse	73 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
107	107	CE107	Mikro-Pulsaire Baghouse	Pellet Storage Bins	Rubber Pellets	20 tons/hr
108	108	CE108	Mikro-Pulsaire Baghouse	74 & 75 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
109	109	CE109	Mikro-Pulsaire Baghouse	Pellet Tower Slide Gates	Rubber Pellets	40 tons/hr

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110	110	CE110	Mikro-Pulsaire Baghouse	77 Banbury Charging	Rubber Pellets	10 tons/hr
112	112	N/A	N/A	73, 74 & 75 Banbury Dropgate	Rubber	15 tons/hr
145	145	CE145	Flex-Kleen Baghouse	273 Banbury Charging	Rubber Pellets	12.5 tons/hr
146	146	CE146	Mikropul Baghouse	273 Banbury Dropgate	Rubber	12.5 tons/hr
147	147	CE147	Mikropul Baghouse	Remill Pellet Tumble Dryer	Rubber	12.5 tons/hr
148	148	CE148	Mikropul Baghouse	Remill Pellet Airveyor	Rubber	12.5 tons/hr
169	169	CE169	Air Process Cyclone	621 & 622 Banbury Ram Exhaust	Air, Oil, Water	4400 CFM
270	270	CE270	Torit Dust Collector	Remill Pellet Bins	Rubber Pellets	60,000 lbs/hr
272	272	CE272	Torit Top Load Fabric Filter Baghouse	622 Banbury Charging and Dropgate	Rubber/Carbon Black	10 tons/hr
274	274	CE274	Torit DFT 4-80 Dust Collector	621 Banbury Charging and Dropgate	Rubber/Carbon Black	10 tons/hr

Equipment listed above is covered by Polk County Construction Permit Number 1711 Modified

#### Applicable Requirements

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): Less than 20% opacity

Authority for Requirement: Polk County Construction Permit Number 1711 Modified

Pollutant: PM<sub>10</sub>/PM

<b>Emission Point</b>	<b>PM<sub>10</sub>/PM (limit for each emission point)</b>	<b>PM<sub>10</sub>/PM (combined limit)</b>
45, 71, 72, 90, 92, 105, 106, 107, 108, 109, 110, 112, 169	0.10 gr/dscf	199.52 lbs./hr 873.83 TPY (combined limits for all emission points included in this table)
145, 146, 147, 148	0.0685 gr/dscf	
270	0.0009 gr/dscf	
272	0.0026 gr/dscf	
274	0.00259 gr/dscf	

Pollutant: VOCs

Emission Limit(s): 12.99 TPY combined for all emission points listed in table above

Authority for Requirement: Polk County Construction Permit 1711 Modified

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Pollutant: HAPs

Emission Limit(s): 10.13 TPY combined for all emission points listed in table above

Authority for Requirement: Polk County Construction Permit 1711 Modified

Pollutant: HAPs

Emission Rate: The facility shall not exceed 9.4 tons of any single HAP or 24.4 tons of any combination of HAPs per 12 month period, totalized and rolled monthly.

Authority for Requirement: Polk County Air Quality Construction Permit Number 1712 Modified.

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Reporting and record keeping requirements: Tire production and pounds of rubber processed shall be tracked and recorded daily. HAP emissions shall be calculated, recorded and totaled on a monthly basis. Total HAP emissions and calculations shall be submitted to Polk County AQD on the following dates April 15, July 15, October 15 and January 15 of each year.

Work practice standards: The facility shall be limited to a maximum production of 560,640,000 pounds of rubber produced per 12 month period rolled monthly. The facility shall keep monthly production records which shall include a 12 month rolling total of pounds of rubber produced. This log shall be maintained on site and be made available to representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permits 1711 Modified and 1712 Modified

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

The facility shall check the opacity for each emission point listed above (except for emission points 46, 47, 95 and 100), weekly during a period when the emission point is operating. No visible emissions are expected from these emission points under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

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If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records shall be maintained on site and be made available to representative of Polk County AQD upon request.

Authority for Requirement –Polk County Construction Permit 1711 Modified

**Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐**

- Required only for Emission Units 145, 146, 147, 148

**Relevant requirements of O & M plan:**

**Weekly**

- Check and document the baghouse pressure drop. If the pressure drop falls out of the normal operating range, specified by the manufacturer, corrective action will be taken within 8 hours to return the pressure drop to normal.

Maintain a written record of the observation and any action resulting from the inspection.

**Monthly**

- Check the cleaning sequence of the baghouse.
  - Pulse jet baghouse - check the air delivery system
- Check the hopper functions and performance.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any action resulting from the inspection.

**Quarterly**

- Thoroughly inspect bags for leaks and wear. ( Look for obvious holes or tears in the bags.)

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Bag replacement should be documented by identifying the date, time and location of the bag in relationship to the other bags. The location should be identified on an overhead drawing of the bag layout in the baghouse. Maintain a written record of the inspection and any action resulting from the inspection.

### **Semiannual**

- Inspect every 6 months all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any action resulting from the inspection.

### **Record Keeping and Reporting**

Maintenance and inspection records will be kept for five years and available upon request.

### **Quality Control**

The filter equipment will be operated and maintained according to the manufacturer's recommendations.

### **Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐**

- Required only for Emission Units 45, 47, 71, 72, 90, 92, 96, 99, 105, 106, 107, 108, 109, 110, 112, 270, 272

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)"b"

<b>C. Rubber Processing, Milling, Extrusion, Calendering</b>	The stock rubber produced by the Banbury mixers is processed into a product useful in the assembly of passenger and truck tires. The stock rubber passes through calenders, extruders, and mills to form the individual tire components. The processing of the stock rubber and the use of VOC-laden cement and paint/ink produces the VOC emissions for this source.
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**Emission Point ID Number: 35, 36, 37, 40, 42, 64, 151, 900, 901, 902, 903**

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Associated Equipment

Associated Emission Unit ID Numbers: 35, 36, 37, 40a, 40b, 40f, 42a, 42f, 64a, 64b, 64c, 151, 900, 901, 902, 903

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EP	EU	EU Description	Raw Material	Rated Capacity	Construction Permit (Polk Co.)
35	35	#1 4-Roll Calender	Rubber Stock	4.75 tons/hr	0125
36	36	#2 4-Roll Calender	Rubber Stock	4.75 tons/hr	0125
37	37	3 + 2 Calender	Rubber Stock	4.75 tons/hr	0125
40	40a	#4 Tuber Cementing	Rubber Solvent	417 treads/hr	0133
40	40b	#4 Tuber Cementing	Rubber Solvent	417 treads/hr	0133
40	40f	#4 Tuber hand paint	Rubber Solvent	417 treads/hr	0133
42	42	#6 Tuber Cementing	Rubber Solvent	417 treads/hr	0047
42	42f	#6 Tuber hand paint	Rubber Solvent	417 treads/hr	0047
64	64a	Cement Mixing Exhaust	Rubber Solvent	219 gal/hr	Exempt
64	64b	Cement Mixing Exhaust	Rubber Solvent	219 gal/hr	Exempt
64	64c	Cement Mixing Exhaust	Rubber Solvent	219 gal/hr	Exempt
151	151	Ozone Generator	Rubber Fabric	4.75 tons/hr	0434
900	900	Fugitive Emissions-Milling of Rubber	Rubber	N/A	N/A
901	901	Fugitive Emissions-Extruding of Rubber	Rubber	64,000 lbs/hr	N/A
902	902	Fugitive Emissions-Tire Building	Solvent	N/A	N/A
903	903	Fugitive Emissions-Stripping Ink	Stripping Ink	0.30 gal/hr	N/A

Firestone Agricultural Tire  
December 22, 2005

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: VOCs

Emission Limit(s): No Applicable Emission Limits at This Time

Pollutant: HAPs

Emission Rate: The facility shall not exceed 9.4 tons of any single HAP or 24.4 tons of any combination of HAPs per 12 month period, totalized and rolled monthly.

Authority for Requirement: Polk County Air Quality Construction Permit Number 1712 Modified.

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Reporting and record keeping requirements: Tire production and pounds of rubber processed shall be tracked and recorded daily. HAP emissions shall be calculated, recorded and totaled on a monthly basis. Total HAP emissions and calculations shall be submitted to Polk County AQD on the following dates April 15, July 15, October 15 and January 15 of each year.

Authority for Requirement: Polk County Air Quality Construction Permit Number 1712 Modified.

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 156**

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Emission Unit vented through this Emission Point: 156  
Emission Unit Description: Tuber #7 Cementing Operation  
Raw Material/Fuel: Rubber Solvent  
Rated Capacity: 417 Treads per hour

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): None Allowed  
Authority for Requirement: Polk County Construction Permit Number 1713

Pollutant: VOCs  
Emission Limit(s):  
Maintain total (uncontrolled) VOC use, from undertread cementing or from undertread and sidewall cementing when both are performed during the same month, less than or equal to the following:

Days/Month	VOC Emission Limit
28	3,870 kg (8,531 lb)
29	4,010 kg (8,846 lb)
30	4,150 kg (9,149 lb)
31	4,280 kg (9,436 lb)
35	4,840 kg (10,670 lb)

Maintain total (uncontrolled) VOC use, from sidewall cementing, less than or equal to the following:

Days/Month	VOC Emission Limit
28	3,220 kg (7,099 lb)
29	3,340 kg (7,363 lb)
30	3,450 kg (7,606 lb)
31	3,570 kg (7,871 lb)
35	4,030 kg (8,885 lb)

For each treadend cementing operation; discharge into the atmosphere no more than 10 grams of VOC per regulated tire (g/tire) cemented for each month per 40 CFR §60.542

Authority for Requirement: 40 CFR 60 Subpart BBB  
Polk County Construction Permit Number 1713

Firestone Agricultural Tire  
December 22, 2005

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Tuber #7 production is limited to 417 treads (tires) per hour. Treads per hour shall be determined by the equation: number of treads/hour = number of treads produced per calendar month divided by (number of days in month x 24 hrs/day).

For each tread end cementing operation: Discharge into the atmosphere no more than 10 grams of VOC per regulated tire (g/tire) cemented for each month per §60.542(a)(3)

Maintain Method 24 or formulation data for the determination of VOC content of cements per §60.547 (a)(1)

Maintain records of monthly VOC use for undertread cementing, sidewall cementing, and the number of days in each compliance period per §60.545(d)

Maintain records of monthly VOC use for tread end cementing and the number of treads cemented in each compliance period per §60.545(e)

Determine compliance with 40 CFR 60 Subpart BBB per §60.543(c) and §60.543(d)

Semi-Annual reports per §60.546(f) shall be submitted

Actual emissions from the #7 tuber process (EP156/EU156) shall be calculated and submitted annually as part of the Title V Emission Report

The facility shall comply with all applicable requirements of 40 CFR Part 60 Subpart BBB

Authority for Requirement: 40CFR 60 Subpart BBB

567 IAC 23.1(2)"eee"

Polk County Construction Permit Number 1713

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

Firestone Agricultural Tire  
December 22, 2005

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**Emission Point ID Number: 253**

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Emission Unit vented through this Emission Point: 253  
Emission Unit Description: #4 & #6 Tuber Treadend Cementing  
Raw Material/Fuel: Rubber Solvent  
Rated Capacity: 355 Treads per Hour

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): None Allowed  
Authority for Requirement: Polk County Construction Permit Number 0862

Pollutant: VOCs  
Emission Limit(s): 39 TPY  
Authority for Requirement: Polk County Construction Permit Number 0862

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Work practice standards: Discharge into the atmosphere no more than 10 grams of VOC per regulated tire (g/tire) cemented for each month per §60.542(2)(3).

Determine compliance with 40 CFR 60 Subpart BBB per §60.543(d) and §60.547(a)(1)

The facility shall comply with all applicable requirements of 40 CFR Part 60 Subpart BBB  
Authority for Requirement: 40 CFR 60 Subpart BBB

567 IAC 23.1(2)"eee"

Polk County Construction Permit Number 0862

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

Firestone Agricultural Tire  
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<b>D. Tire Building, Curing, Final Inspection</b>	Tire components are cemented and pressed together to form rubber tires. The tires are sprayed prior to curing to prevent them from sticking to the machinery. The tires are cured and balanced and prepared for shipment.
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**Emission Point ID Number: 1, 3, 5, 6, 117, 118, 134, 153, 165, 244, 245, 247, 170-243, 256-262**

Associated Equipment

*Per Table Below*

EP	EU	CE	CE Description	EU Description	Raw Material	Rated Capacity
1	1	CE1	Settling Chamber With Dry Filters	#3 Spray Booth	Tire Paint	30 tires/hr
3	3	CE3	Settling Chamber With Dry Filters	#2 Spray Booth	Tire Paint	30 tires/hr
5	5	CE5	Settling Chamber With Dry Filters	#1 Spray Booth	Tire Paint	30 tires/hr
6	6	CE6	Settling Chamber With Dry Filters	#4 Spray Booth	Tire Paint	120 tires/hr
117	117	CE117	Settling Chamber With Dry Filters	Passenger Green Tire Spray Booth	Tire Paint	300 tires/hr
118	118	CE118	Settling Chamber With Dry Filters	Passenger Green Tire Spray Booth	Tire Paint	300 tires/hr
134	134	CE134	Air Process Cyclone	Repair Tire Buffer	Tires	48 tires/hr
153	153	CE153	Settling Chamber With Dry Filters	#5 Spray Booth	Tire Paint	30 tires/hr
165	165	CE165	Torit Cyclone	Torit Bladder Buffer	Rubber	268 lb/hr
244	244	CE244	Duclone Cyclone	Bladder Buffer	Rubber	268 lb/hr
245	245	CE245	Torit Fabric Filter Collector	Tire Test Area Grinder	Rubber	4.5 lb/hr
247	247	N/A	N/A	Vita-Cap Curing	Rubber	54.2 tons/day
170-243, 256-262	170	N/A	N/A	Curing Presses	Rubber	78,821.9 lb/hr

Equipment listed above is covered by Polk County Construction Permit Number 1712  
Modified

Firestone Agricultural Tire  
December 22, 2005

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20% opacity

Authority for Requirement: Polk County Construction Permit Number 1712 Modified

Pollutant: PM<sub>10</sub>/PM

<b>Emission Point</b>	<b>PM<sub>10</sub>/PM (limit for each emission point)</b>	<b>PM<sub>10</sub>/PM (combined limit)</b>
1, 3, 5, 117, 118, 153	0.01 gr/dscf	7.2029 lbs./hr, 31.54 TPY (combined limits for all emission points included in this table)
6	0.0016 gr/dscf	
134, 244	0.10 gr/dscf	
165	0.0309 gr/dscf	
245	0.077 gr/dscf	

Authority for Requirement: Polk County Construction Permit 1712 Modified

Pollutant: VOCs

Emission Limit(s): Emission points comprising Tire Building shall not exceed 129.67 Tons per 12 month period rolled monthly

Authority for Requirement: Polk County Construction Permit 1712 Modified

Pollutant: HAPs

Emission Limit(s): The facility shall not exceed 9.4 TPY of any single HAP or 24.4 TPY of all HAPs combined per 12 month period rolled monthly.

Authority for Requirement: Polk County Construction Permit 1712 Modified

## **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Reporting and record keeping requirements: Tire production and pounds of rubber processed shall be tracked and recorded daily. HAP emissions shall be calculated, recorded and totaled on a monthly basis. Total HAP emissions and calculations shall be submitted to Polk County AQD on the following dates April 15, July 15, October 15 and January 15 of each year.

Work practice standards: \* Only water-based green tire spray can be used in the tire spray booths: Emission units 1, 3, 5, 6, 117, 118, 153. Water-based green tire spray means any mold release agent and lubricant applied to the inside or outside of green tires that contains 12 percent or less, by weight, of VOC as sprayed.

- Discharge into the atmosphere no more than 1.2 grams of VOC per regulated tire Sprayed with an inside green tire spray for each month per §60.542(a)(5)(i): and
- Discharge into the atmosphere no more than 9.3 grams of VOC per regulated tire sprayed with an outside green tire spray for each month per §60.542(a)(5)(ii).

\* The owner or operator of each green tire spraying operation using water-based sprays (inside and/or outside) containing less than 1.0 percent, by weight, of VOC is not required to conduct a monthly performance test as described in 60.543(d).

In lieu of conducting a monthly performance test, the owner or operator of each green tire spraying operation shall submit formulation data or the results of Method 24 analysis annually to verify the VOC content of each green tire spray material, provided the spraying formulation has not changed during the previous 12 months. If the spray material formulation changes, formulation data or Method 24 analysis of the new spray shall be conducted to determine the VOC content of the spray and reported to the Health Officer within 30 days.

\* Each owner or operator of a green tire spraying operation using water-based cements or sprays containing less than 1.0 percent by weight of VOC, as specified under 40 CFR 60.543(B)(4), shall maintain records of formulation data or the results of Method 24 analysis conducted to verify the VOC content of the spray.

\* The owner or operator of each green tire spraying (inside and/or outside) operation using water-based sprays containing less than 1.0 percent, by weight, of VOC as described in 40 CFR 60.543(b)(1) shall furnish the Health Officer, within 60 days initially and annually thereafter, formulation data or Method 24 results to verify the VOC content of the water-based sprays in use. If the spray formulation changes before the end of the 12-month period, formulation data or Method 24 results to verify the VOC content of the spray shall be reported within 30 days.

\* The facility shall comply with the reporting requirements of §60.546(f).

\* The facility shall comply with all applicable requirements of 40 CFR Part 60 Subpart BBB

Authority for Requirement: 40CFR 60 Subpart BBB

567 IAC 23.1(2)"eee"

State of Iowa Construction Permit 89-A-207

Polk County Construction Permit Number 1712 Modified

Firestone Agricultural Tire  
December 22, 2005

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

The facility shall check the opacity for each emission point listed above (except for emission points 247, 170-243 and 256-262), weekly during a period when the emission point is operating. No visible emissions are expected from these emission points under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records shall be maintained on site and be made available to representative of Polk County AQD upon request.

Authority for Requirement –Polk County Construction Permit 1712 Modified

**Agency Approved Operation & Maintenance Plan Required?** Yes ☒ No ☐

- Required only for Emission Units 1, 3, 5, 6, 117, 118 and 153

**Relevant requirements of O & M plan:**

Weekly:

- Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting:

- Maintenance and inspection records will be kept for five years and available upon request.

Quality Control:

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

- Required only for Emission Units 134, 165, 244 and 245

Authority for Requirement: 567 IAC 22.108(3)"b"

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

<b>E. Power House</b>	Babcock & Wilcox dual fuel boilers and Erie City Model 96401 dual fuel boilers burning both natural gas and #6 fuel oil.
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## **Emission Point ID Number: 86, 87, 89, 113**

### Associated Equipment

**Associated Emission Unit ID Number:** 86o, 86g, 87o, 87g, 89o, 89g, 113o, 113g

EP	EU	Process Description	Raw Material	Rated Capacity	Construction Permit (Polk Co.)
86	86o	Babcock & Wilcox #4 Boiler	#6 Oil	96.0 MMBtu/hr	0047
86	86g	Babcock & Wilcox #4 Boiler	Natural Gas	96.0 MMBtu/hr	0047
87	87o	Erie City #5 Boiler	#6 Oil	123.2 MMBtu/hr	0047
87	87g	Erie City #5 Boiler	Natural Gas	123.2 MMBtu/hr	0047
89	89o	Babcock & Wilcox #6 Boiler	#6 Oil	120.8 MMBtu/hr	0047
89	89g	Babcock & Wilcox #6 Boiler	Natural Gas	120.8 MMBtu/hr	0047
113	113o	Babcock & Wilcox #7 Boiler	#6 Oil	120.8 MMBtu/hr	0177
113	113g	Babcock & Wilcox #7 Boiler	Natural Gas	120.8 MMBtu/hr	0177

### Applicable Requirements

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): Less than 20% opacity

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article IV, Section 5-9

Pollutant: PM

Emission Limit(s): 0.38 lb/MMBtu for emission unit 86o and 86g

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article V, Section 5-12(2)

Pollutant: PM

Emission Limit(s): 0.35 lb/MMBtu for emission units 87o, 87g, 89o, 89g, 113o, 113g

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article V, Section 5-12(1)(ii)

Pollutant: SO<sub>2</sub>

Emission Limit(s): 2.5 lb/MMBtu (when burning fuel oil) and  
500 ppm by volume (when burning natural gas)

Authority for Requirement: 567 IAC 23.3(3)"b"(2)and 567 IAC 23.3(3)"e"  
Polk County Board of Health Rules and Regulations  
Chapter V, Article IX, Section 5-27(2)(a) and (5)

Pollutant: HAPs

Emission Rate: The facility shall not exceed 9.4 tons of any single HAP or 24.4 tons of any  
combination of HAPs per 12 month period, totalized and rolled monthly.

Authority for Requirement: Polk County Air Quality Construction Permit Number 1712  
Modified.

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Reporting and record keeping requirements: Tire production and pounds of rubber processed shall be tracked and recorded daily. HAP emissions shall be calculated, recorded and totaled on a monthly basis. Total HAP emissions and calculations shall be submitted to Polk County AQD on the following dates April 15, July 15, October 15 and January 15 of each year.

Authority for Requirement: Polk County Air Quality Construction Permit Number 1712  
Modified.

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

Emission Points 86, 87, 89 and 113 shall be visually checked for observable emissions daily by a designated observer, on days when Emission Units 86, 87, 89 or 113 are combusting No. 6 Residual Oil. The observation shall be taken while Boiler #4, #5, #6 or #7 are operating. No visible emissions are expected from these emission points under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The logbook will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

**Reporting & Record keeping:**

I) The facility shall ensure that a fuel supplier certification and analysis are received with each purchase of residual oil. Fuel supplier certification shall include the following information:

- 1) The name of the residual oil supplier.
- 2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
- 3) Sulfur content shall not exceed 2.4% by weight.
- 4) Date of the residual oil shipment.

II) The owner or operator shall record and maintain records of the amounts of residual oil and natural gas combusted during each month in EU 86, 87, 89 and 113.

All records required shall be maintained by the owner or operator of Emission Units 86, 87, 89 and 113 for a period of five years following the date of such record and be made available to representatives of Polk County AQD upon request.

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"



<b>F. Misc. &amp; Other Emission Sources</b>
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**Emission Point ID Number: 44**

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Associated Equipment

Emissions Control Equipment ID Number: CE44

Emissions Control Equipment Description: Baghouse with Fabric Filters

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Emission Unit vented through this Emission Point: 44

Emission Unit Description: Rubbish Packer

Raw Material/Fuel: Rubbish

Rated Capacity: 0.8 tons/hour

Applicable Requirements**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): None Allowed

Authority for Requirement: Polk County Construction Permit Number 0786

Pollutant: PM<sub>10</sub>

Emission Limit(s): 0.17 lbs/hr, 0.75 TPY

Authority for Requirement: Polk County Construction Permit Number 0786

Pollutant: PM

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Work practice standards: Routine Periodic Inspection and Maintenance

Authority for Requirement: Polk County Construction Permit Number 0786

Firestone Agricultural Tire  
December 22, 2005

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

EP 44 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken while the trash compactor is operating. The observation shall be noted in a log book, which shall state the date, time, observer's signature, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐**

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 149**

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Emission Unit vented through this Emission Point: 149  
Emission Unit Description: Caterpillar Model SR-4 Standby Generator  
Raw Material/Fuel: Diesel  
Rated Capacity: 180 kW

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): Less than 20% opacity  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article IV, Section 5-9

Pollutant: PM  
Emission Limit(s): 0.1 gr/scf  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO<sub>2</sub>  
Emission Limit(s): 0.5 lb/MMBtu  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article IX, Section 5-27(2)(b)

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Work practice standards: Routine Inspection and Maintenance  
Authority for Requirement: Polk County Construction Permit 0494

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

#### **Visible Emissions Monitoring:**

Visible Emissions (VE) shall be observed whenever the generator is operated to ensure none occur during the operation of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

#### **Reporting & Record keeping:**

I) The facility shall ensure that a fuel supplier certification and analysis are received with each purchase of distillate oil. Fuel supplier certification shall include the following information:

- 1) The name of the distillate oil supplier.
- 2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
- 3) Sulfur content shall not exceed 0.5% by weight.
- 4) Date of the distillate oil shipment.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 159**

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**Associated Equipment**

Emissions Control Equipment ID Number: CE159  
Emissions Control Equipment Description: Filters

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Emission Unit vented through this Emission Point: 159  
Emission Unit Description: Paint Shop Spray Booth  
Raw Material/Fuel: Paint  
Rated Capacity: 2.0 Gallons per Hour

**Applicable Requirements****Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): Less than 20% opacity  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article IV, Section 5-9

Pollutant: PM  
Emission Limit(s): 0.01 gr/dscf , 1.71 lbs/hr  
Authority for Requirement: Polk County Construction Permit Number 0597  
Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-16(m)

Pollutant: VOC  
Emission Limit(s): 13.65 lbs/hr  
Authority for Requirement: Polk County Construction Permit Number 0597

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation: shall not exceed 5,694 hours per year  
Process throughput: shall not exceed 11,428 gallons of paint per 12 month period  
Reporting & Record keeping: An hour meter shall be installed. Monthly records of paint usage shall be maintained. Hour meter readings and paint usage shall be reported to Polk County Air Quality Division by the end of January for the proceeding calendar year.  
Authority for Requirement: Polk County Construction Permit Number 0597

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**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

Emission Point 159 Paint Shop Spray Booth shall be visually checked for observable emissions once every thirty day period by a designated observer. The observation shall be taken while Emission Unit 159 Paint Shop Spray Booth is operating. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

If EP159 is not operated in a thirty day period the operating status shall be entered into the observation log book. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

**Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐**

**Relevant requirements of O & M plan for this equipment:****Weekly:**

- Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

**Record Keeping and Reporting:**

- Maintenance and inspection records will be kept for five years and available upon request.

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**Quality Control:**

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 160, 161**

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EP	EU	Process Description	Raw Material	Rated Capacity	Construction permit
160	160	Underground Storage Tank #1	Solvent	15,000 Gallons	0821
161	161	Underground Storage Tank #2	Solvent	15,000 Gallons	0822

**Applicable Requirements****Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: VOC

Emission Limit(s): 0.2877 lbs/hr, 1.26 TPY for each individual tank

Authority for Requirement: Polk County Construction Permit Number 0821

Polk County Construction Permit Number 0822

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Reporting & Record keeping: Breathing and/or working losses shall be calculated and submitted as Title V Emission Data. Records showing the dimension of the storage vessel shall be kept readily accessible, on site, and made available to representatives of this department upon request.

Authority for Requirement: Polk County Construction Permit Number 0821

Polk County Construction Permit Number 0822

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"



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**Emission Point ID Number: 162, 163, 164**

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**Associated Equipment**

Associated Emission Unit ID Numbers: 162, 163, 164

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EP	EU	EU Description	Raw Material	Rated Capacity	Construction Permit
162	162	Underground Storage Tank #4	Solvent	6,000 gallon	Exempt
163	163	Underground Storage Tank #5	Solvent	6,000 gallon	Exempt
164	164	Underground Storage Tank #3	Solvent	4,000 gallon	Exempt

**Applicable Requirements****Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from these emission points shall not exceed the levels specified below.*

No Applicable Emission Limits at This Time

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 246**

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Emission Unit vented through this Emission Point: 246  
Emission Unit Description: Welding Exhaust  
Raw Material/Fuel: Welding Wire  
Rated Capacity: 150 lbs/hr

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): None Allowed  
Authority for Requirement: Polk County Construction Permit Number 0787

Pollutant: PM<sub>10</sub>  
Emission Limit(s): 0.0479 lbs/hr, 0.21 TPY  
Authority for Requirement: Polk County Construction Permit Number 0787

Pollutant: PM  
Emission Limit(s): 0.1gr/scf  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Work practice standards: Routine Maintenance and Inspection  
Authority for Requirement: Polk County Construction Permit Number 0787

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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## **Emission Point ID Number: 251**

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Emission Unit vented through this Emission Point: 251

Emission Unit Description: Onan Model DMA-6404 Standby Generator

Raw Material/Fuel: Natural Gas

Rated Capacity: 120 hp/hr

### Applicable Requirements

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): Less than 20% opacity

Authority for Requirement: Polk County Construction Permit Number 0823

Pollutant: PM

Emission Limit(s): 0.1 gr/scf

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO<sub>2</sub>

Emission Limit(s): 500 ppm by volume

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article IX, Section 5-27

Pollutant: NO<sub>x</sub>

Emission Limit(s): 2.688 lbs/hr, 11.77 TPY

Authority for Requirement: Polk County Construction Permit Number 0823

Pollutant: VOC

Emission Limit(s): 0.1512 lbs/hr, 0.66 TPY

Authority for Requirement: Polk County Construction Permit Number 0823

Pollutant: CO

Emission Limit(s): 0.3528 lbs/hr, 1.55 TPY

Authority for Requirement: Polk County Construction Permit Number 0823

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Work practice standards: Routine Maintenance and Inspection

Authority for Requirement: Polk County Construction Permit Number 0823

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 252**

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Emission Unit vented through this Emission Point: 252

Emission Unit Description: General Motors Model 6-71N-1063-7008 Fire Pump

Raw Material/Fuel: Diesel

Rated Capacity: 10.5 Gallons per Hour

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): Less than 20% opacity

Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: PM<sub>10</sub>

Emission Limit(s): 0.20 lbs/hr, 0.88 TPY

Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: PM

Emission Limit(s): 0.1gr/scf

Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO<sub>2</sub>

Emission Limit(s): 0.73 lbs/hr, 3.20 TPY

Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: NO<sub>x</sub>

Emission Limit(s): 4.87 lbs/hr, 21.33 TPY

Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: VOC

Emission Limit(s): 0.17 lbs/hr, 0.74 TPY

Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: CO

Emission Limit(s): 4.30 lbs/hr, 18.83 TPY

Authority for Requirement: Polk County Construction Permit Number 0824

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

The facility shall ensure that a fuel supplier certification and analysis are received with each purchase of distillate oil. Fuel supplier certification shall include the following information:

- 1) The name of the distillate oil supplier.
- 2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
- 3) Sulfur content shall not exceed 0.5% by weight.
- 4) Date of the distillate oil shipment.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during the operation of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

**Reporting & Record keeping:** Maintain a written record of the observation and any action resulting from the observation. Records required shall be maintained on-site for five (5) years and be made available to representatives of Polk County AQD upon request

Authority for Requirement: 567 IAC 22.108(3)"b"

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 269**

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Emission Unit vented through this Emission Point: 269  
Emission Unit Description: Caterpillar Model D3412 Standby Generator  
Raw Material/Fuel: Diesel  
Rated Capacity: 500 kW

Applicable Requirements

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): Less than 20% opacity  
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: PM<sub>10</sub>  
Emission Limit(s): 1.75 lbs/hr, 0.44 TPY  
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: PM  
Emission Limit(s): 0.1 gr/scf  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO<sub>2</sub>  
Emission Limit(s): 2.86lbs/hr, 0.71 TPY  
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: NO<sub>x</sub>  
Emission Limit(s): 24.96 lbs/hr, 6.24 TPY  
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: VOC  
Emission Limit(s): 2.04 lbs/hr, 0.51 TPY  
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: CO  
Emission Limit(s): 5.38 lbs/hr, 1.34 TPY  
Authority for Requirement: Polk County Construction Permit Number 1209

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation: Unit shall be equipped with an operable non-resettable totalizing hour meter. Hour meter readings shall be logged on site monthly. Log shall be made available to representatives of Polk County AQD upon request. Hours of operation shall be limited to 500 hours per 12 month period rolled monthly.

Authority for Requirement: Polk County Construction Permit Number 1209

The facility shall ensure that a fuel supplier certification and analysis are received with each purchase of distillate oil. Fuel supplier certification shall include the following information:

- 1) The name of the distillate oil supplier.
- 2) A sulfur content analysis, listing the maximum percent sulfur of the shipment.
- 3) Sulfur content shall not exceed 0.5% by weight.
- 4) Date of the distillate oil shipment.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

Visible Emissions (VE) shall be observed whenever the generator is operated to ensure none occur during the operation of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records shall be maintained on site and be made available to representatives of Polk County AQD upon request.

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**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

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**Emission Point ID Number: 271**

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**Associated Equipment**

Emissions Control Equipment ID Number: CE271a, CE271b  
Emissions Control Equipment Description: (CE271a) Spencer Turbine Model Ch 930CB  
Cyclone Separator, (CE271b) Spencer Turbine Model KH 946LYM Fabric Filter

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Emission Unit vented through this Emission Point: 271  
Emission Unit Description: Spencer Turbine Company Central Vacuum System  
Raw Material/Fuel: N/A  
Rated Capacity: 100 lb/hr

**Applicable Requirements****Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): 20%  
Authority for Requirement: Polk County Construction Permit Number 1613

Pollutant: PM<sub>10</sub>  
Emission Limit(s): 0.51 lbs/hr, 2.25 TPY  
Authority for Requirement: Polk County Construction Permit Number 1613

Pollutant: PM  
Emission Limit(s): 0.1 gr./dscf  
Authority for Requirement: Polk County Board of Health Rules and Regulations  
Chapter V, Article VI, Section 5-14(b)

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Work practice standards: Routine Periodic Inspection and Maintenance  
Authority for Requirement: Polk County Construction Permit Number 1613

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

EP271 shall be visually checked for observable emissions once every week by a designated observer. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, an EPA Reference Method 9 observation shall be conducted as soon as possible to confirm whether or not a violation of the opacity limit has occurred.

If an opacity greater than 20% is observed, this would be a violation and corrective action shall be taken as soon as possible, but no later than eight hours from observation of the violation per the excess emissions requirements listed in General Condition item G14 of this permit. If an opacity less than 20% is observed, this would not be considered a violation, but corrective action shall be taken in an expeditious manner to return the opacity to no visible emissions.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records shall be maintained on site and be made available to representatives of Polk County AQD upon request.

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

**Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐**

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)"b"

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## IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

### G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

### G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 901 N. 5th St., Kansas City, KS 66101. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

### G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

### G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

**G5. Semi-Annual Monitoring Report**

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6-month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. 567 IAC 22.108 (5)

**G6. Annual Fee**

1. The permittee is required under sub rule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.

2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.

3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.

- a. Form 1.0 "Facility Identification";
- b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
- c. Form 5.0 "Title V annual emissions summary/fee"; and
- d. Part 3 "Application certification."

4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:

- a. Form 1.0 "Facility Identification";
- b. Form 5.0 "Title V annual emissions summary/fee";
- c. Part 3 "Application certification."

5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.

6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.

7. The fee for a portable emissions unit or stationary source, which operates both in Iowa and out of state, shall be calculated only for emissions from the source while operating in Iowa.

8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

**G7. Inspection of Premises, Records, Equipment, Methods and Discharges**

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. 567 IAC 22.108 (15)"b"

**G8. Duty to Provide Information**

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. 567 IAC 22.108 (9)"e"

**G9. General Maintenance and Repair Duties**

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

**G10. Recordkeeping Requirements for Compliance Monitoring**

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
  - a. The date, place and time of sampling or measurements
  - b. The date the analyses were performed.
  - c. The company or entity that performed the analyses.
  - d. The analytical techniques or methods used.
  - e. The results of such analyses; and
  - f. The operating conditions as existing at the time of sampling or measurement.
  - g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source, which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
  - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
  - b. Maintain a log at the permitted facility of the scenario under which it is operating.
  - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

**G11. Evidence used in establishing that a violation has or is occurring.**

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

- a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
  - b. Compliance test methods specified in 567 Chapter 25; or
  - c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
  - a. Any monitoring or testing methods provided in these rules; or
  - b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in sub rule 21.5(1) or this sub rule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

## **G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

## **G13. Hazardous Release**

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

## **G14. Excess Emissions and Excess Emissions Reporting Requirements**

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment, which does not require the shutdown of the process equipment, shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions, which caused the incident of excess emission, were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

### **2. Excess Emissions Reporting**

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

#### **G15. Permit Deviation Reporting Requirements**

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

#### **G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations**

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

#### **G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification**

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

- a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
- b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
- c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
- d. The changes are not subject to any requirement under Title IV of the Act.
- e. The changes comply with all applicable requirements.



- f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
    - i. A brief description of the change within the permitted facility,
    - ii. The date on which the change will occur,
    - iii. Any change in emission as a result of that change,
    - iv. The pollutants emitted subject to the emissions trade
    - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
    - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
    - vii. Any permit term or condition no longer applicable as a result of the change.
- 567 IAC 22.110(1)*
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
  3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of sub rule 22.110(1). *567 IAC 22.110(3)*
  4. The permit shield provided in sub rule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
  5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

#### **G18. Duty to Modify a Title V Permit**

##### **1. Administrative Amendment.**

- a. An administrative permit amendment is a permit revision that is required to do any of the following:
  - i. Correct typographical errors
  - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
  - iii. Require more frequent monitoring or reporting by the permittee; or
  - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
- b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
- c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

##### **2. Minor Permit Modification.**

- a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
  - i. Do not violate any applicable requirements
  - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
  - iii. Do not require or change a case-by-case determination of an emission limitation or other standard, or increment analysis.
  - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to

avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

ii. The permittee's suggested draft permit

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. 567 IAC 22.111-567 IAC 22.113 The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. 567 IAC 22.105(1)"a"(4)

#### **G19. Duty to Obtain Construction Permits**

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. 567 IAC 22.1(1)

#### **G20. Asbestos**

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. 567 IAC 23.1(3)"a", and 567 IAC 23.2

#### **G21. Open Burning**

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. 567 IAC 23.2 *except* 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only

#### **G22. Acid Rain (Title IV) Emissions Allowances**

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally

acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

### **G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements**

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

### **G24. Permit Reopening**

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.

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- c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
- 3. A permit shall be reopened and revised under any of the following circumstances:
  - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;
  - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
  - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
  - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
  - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
- 4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

#### **G25. Permit Shield**

- 1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

- a. Such applicable requirements are included and are specifically identified in the permit; or
- b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

- 2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

- 3. A permit shield shall not alter or affect the following:

- a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
- d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

#### **G26. Severability**

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

#### **G27. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

#### **G28. Transferability**

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

**G29. Disclaimer**

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

**G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification**

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator  
Iowa DNR, Air Quality Bureau  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

*567 IAC 25.1(7)"a", 567 IAC 25.1(9)*

**G31. Prevention of Air Pollution Emergency Episodes**

The permittee shall comply with the provisions of *567 IAC Chapter 26* in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

### **G32. Contacts List**

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits  
EPA Region 7  
Air Permits and Compliance Branch  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101  
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau  
Iowa Department of Natural Resources  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

#### **Field Office 1**

909 West Main – Suite 4  
Manchester, IA 52057  
(563) 927-2640

#### **Field Office 2**

P.O. Box 1443  
2300-15th St., SW  
Mason City, IA 50401  
(641) 424-4073

#### **Field Office 3**

1900 N. Grand Ave.  
Spencer, IA 51301  
(712) 262-4177

#### **Field Office 4**

1401 Sunnyside Lane  
Atlantic, IA 50022  
(712) 243-1934

#### **Field Office 5**

401 SW 7<sup>th</sup> Street, Suite I  
Des Moines, IA 50309  
(515) 725-0268

#### **Field Office 6**

1023 West Madison Street  
Washington, IA 52353-1623  
(319) 653-2135

#### **Polk County Planning & Development**

Air Quality Division  
5885 NE 14th St.  
Des Moines, IA 50313  
(515) 286-3351

#### **Linn County Public Health Dept.**

Air Pollution Control Division  
501 13th St., NW  
Cedar Rapids, IA 52405  
(319) 892-6000